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Gene family; *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

GlcAT-D; HNK-1 epitope; Glucuronyltransferase; GlcAT-P; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

GlcAT-P; HNK-1 epitope; Glucuronyltransferase; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

Gli3; *Sonic hedgehog*; Chick; Limb **98** 171

β -Glucosidase; *Bklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Glucuronyltransferase; HNK-1 epitope; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

Glutamate; *Bklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Gonad development; Mouse; Large-scale screen; In situ hybridization; Sex determination; Sex dimorphism **98** 51

Gut: Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Ig domain; Endoderm; Epithelium; Development **98** 111

Hairy/Enhancer of split: HES-6; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

Hairy: Hey; Basic helix-loop-helix; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Headfold: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Headfold: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Gastrulation **98** 157

Heart development: Cited; Msg; Mrg; Chick embryo; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Heart development: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127

Hedgehog signalling: *Xenopus laevis*; Patched; Limb development **98** 99

HES-6: Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

Hey: Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

High-throughput gene identification: Mouse; Embryogenesis; Organogenesis; Gene expression analysis; In situ hybridization; Functional genomics **98** 77

Hindbrain: Chick; Embryo; RPTP gamma; Neurone; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183

Hindbrain: HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Muscle; Tendons; Limb buds; Branchial arches **98** 133

HNK-1 epitope: Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

Hox: *rae28*; PcG; Polycomb group; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

Hypaxial myoblast: HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Migration **98** 145

Ig domain: Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Gut; Endoderm; Epithelium; Development **98** 111

In situ hybridization: *Bklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue;

White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; Northern blot hybridization **98** 115

In situ hybridization: Central nervous system; Development; Extracellular matrix; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105

In situ hybridization: Gonad development; Mouse; Large-scale screen; Sex determination; Sex dimorphism **98** 51

In situ hybridization: Mouse; Embryogenesis; Organogenesis; Gene expression analysis; High-throughput gene identification; Functional genomics **98** 77

In situ hybridization: Pronephros; Mesonephros; Metanephros; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121

In situ hybridization: *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis **98** 187

Initiation: *rae28*; PcG; Polycomb group; *Hox*; Maintenance; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

Inner cell mass: Mouse; Blastocyst; Intestine; A33 antigen; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111

Intestine: Mouse; Blastocyst; Inner cell mass; A33 antigen; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111

Jagged: Embryonic; Lung; Notch; Delta; Radical fringe; Lunatic fringe; Endoderm **98** 95

Kidney anlage: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Left-right asymmetry; Headfold; Gastrulation **98** 157

klotho; *Bklotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Bklotho; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Large-scale screen: Gonad development; Mouse; In situ hybridization; Sex determination; Sex dimorphism **98** 51

Lateral line placode: Fin bud; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum; Zebrafish **98** 151

Lateral line primordium: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

Lateral specification: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Loss of function; *m α* ; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Left-right asymmetry: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Headfold; Gastrulation **98** 157

Lim 1/2: Pronephros; Mesonephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Wnt-4; Wnt-11 **98** 121

Limb buds: HES-6; Hair/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Branchial arches **98** 133

Limb development: *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Morphogenesis; In situ hybridization **98** 187

Limb development: *Xenopus laevis*; Hedgehog signalling; Patched **98** 99

Limb patterning: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Mesenchyme; Mesoderm; Migration **98** 127

Limb: *Gli3*; *Sonic hedgehog*; Chick **98** 171

Limb: Zinc finger; *odd-paired*; *Zic*; Anterior neural development; Roof regionalization; Somite **98** 161

Lipid metabolism: *βklotho*; *klotho*; Aging; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; *β*-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Liver: *βklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; *β*-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Lmx-1: Pronephros; Mesonephros; Metanephros; In situ hybridization; Pax-2; Lim 1/2; Wnt-4; Wnt-11 **98** 121

Loss of function: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; *mα*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Lunatic fringe: Embryonic; Lung; Notch; Delta; Jagged; Radical fringe; Endoderm **98** 95

Lung: Embryonic; Notch; Delta; Jagged; Radical fringe; Lunatic fringe; Endoderm **98** 95

***mα*:** *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

***m4*:** *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *mα*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Maintenance: *rae28*; PcG; Polycomb group; *Hox*; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

Matrix metalloproteinase: Central nervous system; Development; Extracellular matrix; In situ hybridization; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105

Mechanosensory organ: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *mα*; *m4*; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Mesenchyme: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesoderm; Migration **98** 127

Mesoderm: Cited; *Msg*; *Mrg*; Chick embryo; Heart development; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Mesoderm: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Migration **98** 127

Mesonephros: Pronephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121

Metanephros: Pronephros; Mesonephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121

Midbrain: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183

Migration: HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast **98** 145

Migration: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm **98** 127

Morphogenesis: *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; In situ hybridization **98** 187

Motoneurone: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode **98** 183

Mouse embryo: G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127

Mouse: *βklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; *β*-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Mouse: Blastocyst; Inner cell mass; Intestine; A33 antigen; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111

Mouse: Embryogenesis; Organogenesis; Gene expression analysis; In situ hybridization; High-throughput gene identification; Functional genomics **98** 77

Mouse: Gonad development; Large-scale screen; In situ hybridization; Sex determination; Sex dimorphism **98** 51

Mouse: Hey; Basic helix-loop-helix; Hair/Enhancer of split; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Mouse: Retinaldehyde dehydrogenase; Retinoic acid; Pax6; Retina; Dorsal-ventral axis; Chick **98** 37

Mrg: Cited; Msg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98 157**

Msg: Cited; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98 157**

Muscle: HES-6; Hair/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Tendons; Limb buds; Branchial arches **98 133**

Myotome: HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Epaxial myoblast; Hypaxial myoblast; Migration **98 145**

Nervous system: Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98 105**

Neural crest cell: *rae28*; PcG; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Transcriptional regulation **98 165**

Neural crest: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98 127**

Neural crest: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98 139**

Neural plate: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98 127**

Neural tube: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98 127**

Neurestin: *ten-m*; *ten-a*; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98 187**

Neurogenesis: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98 19**

Neurone: Chick; Embryo; RPTP gamma; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98 183**

Northern blot hybridization: *β klotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization **98 115**

Northern hybridization: Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98 105**

Notch: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechano-

sensory organ; Neurogenesis; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98 19**

Notch: Embryonic; Lung; Delta; Jagged; Radical fringe; Lunatic fringe; Endoderm **98 95**

Notch: Hey; Basic helix-loop-helix; Hair/Enhancer of split; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98 175**

odd-paired: Zinc finger; *Zic*; Anterior neural development; Roof regionalization; Limb; Somite **98 161**

Odz: *ten-m*; *ten-a*; Neurestin; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98 187**

Olfactory placode: Fin bud; Lateral line placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum; Zebrafish **98 151**

Olfactory placode: HES-6; Hair/Enhancer of split; bHLH; Sensory placodes; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98 133**

Olfactory placode: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98 139**

Organogenesis: Mouse; Embryogenesis; Gene expression analysis; In situ hybridization; High-throughput gene identification; Functional genomics **98 77**

Otic placode: Fin bud; Lateral line placode; Olfactory placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum; Zebrafish **98 151**

Otic placode: HES-6; Hair/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98 133**

Otic vesicle: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98 139**

p300/CBP: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98 157**

Pancreas: *β klotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98 115**

Patched: *Xenopus laevis*; Hedgehog signalling; Limb development **98 99**

Pax-2: Pronephros; Mesonephros; Metanephros; In situ hybridization; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98 121**

Pax6: Retinaldehyde dehydrogenase; Retinoic acid; Retina; Dorso-ventral axis; Chick; Mouse **98 37**

PcG: *rae28*; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98 165**

PEBP2αB: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98 139**

PEBP2αC: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; CBFA3; AML2; Runx3 **98 139**

Pharyngeal arch: *rae28*; PcG; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Neural crest cell; Transcriptional regulation **98 165**

Placode: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Motoneurone **98 183**

Polycomb group: *rae28*; PcG; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98 165**

Prechordal plate: Wnt signaling; Dkk-1; A-P patterning; Anterior neural plate; Forebrain; Zebrafish **98 3**

Presomitic mesoderm: Fin bud; Lateral line placode; Olfactory placode; Otic placode; Sine oculis; Six4; Somites; Tectum; Zebrafish **98 151**

Presomitic mesoderm: Hey; Basic helix-loop-helix; Hairly; Notch; Delta; Somitogenesis; Somites; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98 175**

Primitive streak: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98 157**

Pronephros: Mesonephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98 121**

Radical fringe: Embryonic; Lung; Notch; Delta; Jagged; Lunatic fringe; Endoderm **98 95**

***rae28*:** PcG; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98 165**

Retina: Retinaldehyde dehydrogenase; Retinoic acid; Pax6; Dorsal-ventral axis; Chick; Mouse **98 37**

Retinaldehyde dehydrogenase: Retinoic acid; Pax6; Retina; Dorsal-ventral axis; Chick; Mouse **98 37**

Retinoic acid: Retinaldehyde dehydrogenase; Pax6; Retina; Dorsal-ventral axis; Chick; Mouse **98 37**

Rhombomere: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Somite; Placode; Motoneurone **98 183**

Rhombomere: *rae28*; PcG; Polycomb group; *Hox*; Maintenance; Initiation; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98 165**

RNA interference: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98 19**

RNAi: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; Sensory organ precursor; *twin of m4*; *tom* **98 19**

Rohon-Beard sensory neurons: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98 139**

Roof regionalization: Zinc finger; *odd-paired*; *Zic*; Anterior neural development; Limb; Somite **98 161**

RPTP gamma: Chick; Embryo; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98 183**

Runt domain: Runt-related transcription factor; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98 139**

Runt-related transcription factor: Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98 139**

Runx family: Runt-related transcription factor; Runt domain; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98 139**

Runx1: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; PEBP2αC; CBFA3; AML2; Runx3 **98 139**

Runx3: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2 **98 139**

Sensory ganglia: HES-6; Hairly/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98 133**

Sensory organ precursor: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; *twin of m4*; *tom* **98 19**

Sensory placodes: HES-6; Hairly/Enhancer of split; bHLH; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98 133**

Sex determination: Gonad development; Mouse; Large-scale screen; In situ hybridization; Sex dimorphism **98 51**

- Sex dimorphism:** Gonad development; Mouse; Large-scale screen; In situ hybridization; Sex determination **98 51**
- Sine oculis:** Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Six4; Somites; Tectum; Zebrafish **98 151**
- Six4:** Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Somites; Tectum; Zebrafish **98 151**
- Smooth muscles:** Hey; Basic helix-loop-helix; Hair; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Arteries; Vasculature; Thymus; CADASIL **98 175**
- Somite:** Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Placode; Motoneurone **98 183**
- Somite:** *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Limb development; Morphogenesis; In situ hybridization **98 187**
- Somite:** Zinc finger; *odd-paired*; *Zic*; Anterior neural development; Roof regionalization; Limb **98 161**
- Somites:** Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98 157**
- Somites:** Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Tectum; Zebrafish **98 151**
- Somites:** Hey; Basic helix-loop-helix; Hair; Notch; Delta; Somitogenesis; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98 175**
- Somitogenesis:** Hey; Basic helix-loop-helix; Hair; Notch; Delta; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98 175**
- Sonic hedgehog:** *Gli3*; Chick; Limb **98 171**
- Spinal ganglia:** Hey; Basic helix-loop-helix; Hair; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98 175**
- Sulfotransferase:** HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98 145**
- Tectum:** Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Zebrafish **98 151**
- ten-a**; *ten-m*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98 187**
- Tendons:** HES-6; Hair/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Limb buds; Branchial arches **98 133**
- Teneurin-1:** *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98 187**
- ten-m**; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98 187**
- Thymus:** Hey; Basic helix-loop-helix; Hair; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; CADASIL **98 175**
- TIMP-1:** Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-2; TIMP-3; TIMP-4 **98 105**
- TIMP-2:** Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-3; TIMP-4 **98 105**
- TIMP-3:** Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-4 **98 105**
- TIMP-4:** Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3 **98 105**
- tom**; *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechano-sensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4* **98 19**
- Transcriptional regulation:** *rae28*; PcG; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell **98 165**
- Trigeminal ganglion:** Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98 139**
- Trigeminal placode:** HES-6; Hair/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98 133**
- twin of m4**; *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechano-sensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *tom* **98 19**
- Vasculature:** Hey; Basic helix-loop-helix; Hair; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Thymus; CADASIL **98 175**
- White adipose tissue:** *βklotho*; *klotho*; Aging; Lipid metabolism; Family I glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; Mouse; *β*-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98 115**
- Wnt signaling:** Dkk-1; A-P patterning; Anterior neural plate; Prechordal plate; Forebrain; Zebrafish **98 3**
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- Wnt-4:** Pronephros; Mesonephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-11 **98 121**
- Xenopus laevis:** *BMP-4* promoter; c-Jun (AP-1); Auto-regulatory loop **98 29**

Xenopus laevis; Hedgehog signalling; Patched; Limb development **98** 99

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Yolk sac; *βklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Brown adipose tissue; White adipose tissue; Mouse; *β*-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Zebrafish; Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum **98** 151

Zebrafish; Runt-related transcription factor; Runt domain; Runx family;

Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139

Zebrafish; Wnt signaling; Dkk-1; A-P patterning; Anterior neural plate; Prechordal plate; Forebrain **98** 3

Zic; Zinc finger; *odd-paired*; Anterior neural development; Roof regionalization; Limb; Somite **98** 161

Zinc finger; *odd-paired*; *Zic*; Anterior neural development; Roof regionalization; Limb; Somite **98** 161